

Add the following Abstract of the Disclosure:

Abstract of the Disclosure

The device detects a thread during the detection of the ends of threads (21) in suction pipe (17) crossflow by air, comprising a sensor device (22) having a transmitter (31) and a receiver (32) in a textile machine producing cross-wound bobbins. A measuring field (26) is formed between the transmitter (31) and the receiver (32). The suction pipe has a curvature in the area of the measuring field (26). The measuring field (26) is arranged in proximity of the smaller radius of the suction pipe (17), which has a recess (27) oriented in the running direction of the suction pipe (17) to form the measuring field (26). The suction pipe (17) is curved upstream and downstream of the measuring field (26) such that the detected thread is tensed inside the recess (27) to be spaced at least partly from the bottom of the recess (27) in the measuring field (26), making it possible to easily and reliably detect the thread.